

RAW SEQUENCE LISTING

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Application Serial Number: 10/557,586
Source: PCT
Date Processed by STIC: 12/02/2005

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PCT

RAW SEQUENCE LISTING

DATE: 12/02/2005

PATENT APPLICATION: US/10/557,586

TIME: 11:49:12

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\12022005\J557586.raw

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3 <110> APPLICANT: Maria Assunta, Costa
4   Domenico, Geraci
5   Paolo, Colombo
6   Rosa, Passantino
7   Angela, Bonura
9 <120> TITLE OF INVENTION: HYPOALLERGENIC VARIANTS OF PARIETARIA JUDAICA MAJOR
ALLERGENS, USES AND
10  COMPOSITIONS THEREOF
12 <130> FILE REFERENCE: 82045 PCT
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/557,586
C--> 14 <141> CURRENT FILING DATE: 2005-11-17
14 <160> NUMBER OF SEQ ID NOS: 20
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 139
20 <212> TYPE: PRT
21 <213> ORGANISM: Parietaria judaica
23 <400> SEQUENCE: 1
25 Gln Glu Thr Cys Gly Thr Met Val Arg Ala Leu Met Pro Cys Leu Pro
26 1           5           10           15
29 Phe Val Gln Gly Lys Glu Lys Glu Pro Ser Lys Gly Cys Cys Ser Gly
30           20           25           30
33 Ala Lys Arg Leu Asp Gly Glu Thr Lys Thr Gly Pro Gln Arg Val His
34           35           40           45
37 Ala Cys Glu Cys Ile Gln Thr Ala Met Lys Thr Tyr Ser Asp Ile Asp
38           50           55           60
41 Gly Lys Leu Val Ser Glu Val Pro Lys His Cys Gly Ile Val Asp Ser
42 65           70           75           80
45 Lys Leu Pro Pro Ile Asp Val Asn Met Asp Cys Lys Thr Val Gly Val
46           85           90           95
49 Val Pro Arg Gln Pro Gln Leu Pro Val Ser Leu Arg His Gly Pro Val
50           100          105          110
53 Thr Gly Pro Ser Asp Pro Ala His Lys Ala Arg Leu Glu Arg Pro Gln
54           115          120          125
57 Ile Arg Val Pro Pro Pro Ala Pro Glu Lys Ala
58           130          135
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 139
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: mutagenized Parj1
69 <400> SEQUENCE: 2
71 Gln Glu Thr Cys Gly Thr Met Val Arg Ala Leu Met Pro Cys Leu Pro

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72 1          5          10          15
75 Phe Val Gln Gly Lys Glu Ala Ala Pro Ser Ala Gly Cys Cys Ser Gly
76          20          25          30
79 Ala Lys Arg Leu Asp Gly Glu Thr Lys Thr Gly Pro Gln Arg Val His
80          35          40          45
83 Ala Cys Glu Cys Ile Gln Thr Ala Met Lys Thr Tyr Ser Asp Ile Asp
84          50          55          60
87 Gly Lys Leu Val Ser Glu Val Pro Lys His Cys Gly Ile Val Asp Ser
88 65          70          75          80
91 Lys Leu Pro Pro Ile Asp Val Asn Met Asp Cys Lys Thr Val Gly Val
92          85          90          95
95 Val Pro Arg Gln Pro Gln Leu Pro Val Ser Leu Arg His Gly Pro Val
96          100          105          110
99 Thr Gly Pro Ser Asp Pro Ala His Lys Ala Arg Leu Glu Arg Pro Gln
100          115          120          125
103 Ile Arg Val Pro Pro Pro Ala Pro Glu Lys Ala
104          130          135
107 <210> SEQ ID NO: 3
108 <211> LENGTH: 102
109 <212> TYPE: PRT
110 <213> ORGANISM: Parietaria judaica
112 <400> SEQUENCE: 3
114 Glu Glu Ala Cys Gly Lys Val Val Gln Asp Ile Met Pro Cys Leu His
115 1          5          10          15
118 Phe Val Lys Gly Glu Glu Lys Glu Pro Ser Lys Glu Cys Cys Ser Gly
119          20          25          30
122 Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu
123          35          40          45
126 Ala Cys Lys Cys Ile Val Arg Ala Thr Lys Gly Ile Ser Gly Ile Lys
127          50          55          60
130 Asn Glu Leu Val Ala Glu Val Pro Lys Lys Cys Asp Ile Lys Thr Thr
131 65          70          75          80
134 Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Ser Lys Ile Gln Ser Thr
135          85          90          95
138 Ile Phe Arg Gly Tyr Tyr
139          100
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143 <211> LENGTH: 102
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: mutagenized Parj2
150 <400> SEQUENCE: 4
152 Glu Glu Ala Cys Gly Lys Val Val Gln Asp Ile Met Pro Cys Leu His
153 1          5          10          15
156 Phe Val Lys Gly Glu Glu Ala Ala Pro Ser Ala Glu Cys Cys Ser Gly
157          20          25          30
160 Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu
161          35          40          45

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164 Ala Cys Lys Cys Ile Val Arg Ala Thr Lys Gly Ile Ser Gly Ile Lys
165      50                      55                      60
168 Asn Glu Leu Val Ala Glu Val Pro Lys Lys Cys Asp Ile Lys Thr Thr
169 65                      70                      75                      80
172 Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Ser Lys Ile Gln Ser Thr
173                      85                      90                      95
176 Ile Phe Arg Gly Tyr Tyr
177      100
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181 <211> LENGTH: 30
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: primer
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193 <211> LENGTH: 27
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: primer
200 <400> SEQUENCE: 6
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204 <210> SEQ ID NO: 7
205 <211> LENGTH: 24
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: primer
212 <400> SEQUENCE: 7
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216 <210> SEQ ID NO: 8
217 <211> LENGTH: 30
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: primer
224 <400> SEQUENCE: 8
225 gcgaagctta tagtaacctc tgaaaatagt                                30
228 <210> SEQ ID NO: 9
229 <211> LENGTH: 30
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: primer
236 <400> SEQUENCE: 9
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240 <210> SEQ ID NO: 10

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241 <211> LENGTH: 37
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253 <211> LENGTH: 36
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: primer
260 <400> SEQUENCE: 11
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264 <210> SEQ ID NO: 12
265 <211> LENGTH: 37
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: primer
272 <400> SEQUENCE: 12
273 aaactgcagc actccgccga cggcgccgcc tcctccc 37
276 <210> SEQ ID NO: 13
277 <211> LENGTH: 36
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: primer
284 <400> SEQUENCE: 13
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288 <210> SEQ ID NO: 14
289 <211> LENGTH: 30
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: primer
296 <400> SEQUENCE: 14
297 cgcggatcca tagtaacctc tgaaaaatagt 30
300 <210> SEQ ID NO: 15
301 <211> LENGTH: 25
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: primer
308 <400> SEQUENCE: 15
309 cctggatcct gaggaggctt gcggg 25
312 <210> SEQ ID NO: 16
313 <211> LENGTH: 24

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314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: primer
320 <400> SEQUENCE: 16
321 cctgagctca tagtaacctc tgaa 24
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326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
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332 <400> SEQUENCE: 17
333 cctgagctcg aggaggcttg cggg 24
336 <210> SEQ ID NO: 18
337 <211> LENGTH: 24
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: primer
344 <400> SEQUENCE: 18
345 cctgtcgaca tagtaacctc tgaa 24
348 <210> SEQ ID NO: 19
349 <211> LENGTH: 24
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: primer
356 <400> SEQUENCE: 19
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361 <211> LENGTH: 24
362 <212> TYPE: DNA
363 <213> ORGANISM: Artificial Sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: primer
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369 cctaagcttc taatagtaac ctct 24

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VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date